PrehKeyTec

Standalone module ML 4

Smart Card, RFID, Glide Pad, Biometric Reader

Description

With the ability to offer multi authentication and data input, the ML 4 range of input modules offer three, two or one combinations of data input and capture, from contact, contactless, biometric and glide pad data capture, in one small highly configurable module. System builders can now reduce foot print, plan for additional capture methods, providing increased and high levels of user authentication and data capture. Ideally suited for multiple environments, from Retail POS, through to Financial institutions, capturing data from Users and customers becomes a simple and fast process, improving both the user experience and the integrity of system data capture.

Smart Card readers and Biometric finger print readers both eliminate and reduce costs associated with forgotten passwords and password resets, this greatly reduces fraud from co-worker false log on and helps with regularity compliance, Financial regulations and audit trails, as well as with the "Health Information Privacy and Protection Act (HIPPA). If deployed with additional enterprise management software, then a truly enterprise wide secure system is achievable, providing additional audit history with who logged on and when audit data.

Features include:-

- Integrated robust readers offering a small overall foot print
- Eliminates Passwords and password resets
- Provides fast secure access and reduces IT/helpdesk calls & costs
- Secures across multiple application software
- Guards against fraud, while providing staff mobility

ML 4 - Combination Modules

Preliminary Specifications

Contact Smart Card Interface

Standards	ISO 7818 & EMV 2000 Level 1
Protocols	T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I2C (S=8)
Card Size	ID-1 (full-size)
Smart Card Interface Speed	420 kbps (when supported by card)
Supported Card Types	5V, 3V and 1.8V Smart Cards, ISO 7816 Class A, AB and C
Power to Smart Card	60 mA
8 Pin Handling	C4 / C8 supported
Supported APIs	PC/SC driver (ready for 2.01), CT-API (on top of PC/SC), OCF (on top of PC/SC), Synchronous API (on top of PC/SC)
Status Indicator	Two LEDs
Durability	100,000 insert cycles
Compliance / Certification	Microsoft® WHQL[3], EMV[2] 2000 Level 1, ISO 7816, HBCI4, USB 2.0 (USB 1.1 compatible), CCID1 (contact interface only)

Contactless (RFID) Smart Card Interface

Protocols and Types

ISO 14443 A with 424 Kbps transmission rate (depending on card)

ISO 14443 B with 424 Kbps transmission rate (depending on card)

ISO 15693 with 26 Kbps transmission rate (depending on card)

Optical Fingerprint Reader

Pixel resolution	512 dpi
Scan capture area	14.6 mm (width at center) 18.1 mm (length)
Color	8-bit grayscale (256 levels of gray)
Specification	Compatible with USB 1.0, 1.1 and 2.0 (Full Speed)
Indicator LED	Blue LED
Compliance	Windows® 7, Vista®, XP Professional, 2000 and Windows Server 2000, 2003, 2008
SDK	Software Development Kit on demand

Options

Touchpad (mouse)

Max two external USB ports (depending on configuration – 100 mA max each)